

CLAIMS

We Claim:

1. A method for preparing a supported catalyst system comprising the steps of:
 - (a) heating a composition comprising a bulky ligand metallocene-type catalyst compound to a temperature of from 50°C to 125°C; and
 - (b) combining the heated composition with a carrier.
2. The method of claim 1 wherein the carrier is heated.
3. The method of claim 1 wherein in step (a) the composition is heated to a temperature in the range of from 75°C to 100°C.
4. The method of claim 2 wherein the carrier is heated to a temperature in the range of from 25°C to 150°C.
5. The method of claim 1 wherein the bulky ligand metallocene-type catalyst compound has a solubility less than 20 weight percent of the bulky ligand metallocene-type catalyst compound in toluene at room temperature (25°C).
6. A method for making a supported catalyst system comprising the steps of :
 - (a) forming a reaction product comprising a bulky ligand metallocene-type catalyst compound and an activator;
 - (b) heating the reaction product to a temperature of from 50°C to 125°C;
 - (c) introducing a carrier, optionally heating the carrier;
 - (d) combining the heated reaction product with the carrier or optionally the heated carrier.
7. The method of claim 6 wherein the reaction product is heated to a temperature in the range from 75°C to 100°C.
8. A method for making a supported catalyst system comprising the steps of:
 - (a) heating an activated bulky ligand metallocene-type catalyst product to a temperature of from 50°C to 125°C;
 - (b) heating a carrier; and
 - (c) combining the heated carrier and the heated activated bulky ligand metallocene-type catalyst.

9. The method of claim 8 wherein the activated bulky ligand metallocene-type catalyst is heated to a temperature of from 75°C to 100°C.
10. A method for preparing a supported catalyst system comprising the steps of:
 - (a) heating a composition comprising a bulky ligand metallocene-type catalyst compound at a first temperature;
 - (b) heating a carrier at a second temperature; and
 - (c) combining (a) and (b) at a third temperature.
11. The method of claim 10 wherein the first, second and third temperatures are the same.
12. The method of claim 10 wherein the first and second temperatures are the same.
13. The method of claim 10 wherein the first temperature is in the range of from 50°C to 110°C.
14. A method for preparing a supported catalyst composition comprising the steps of:
 - (a) combining a bulky ligand metallocene-type catalyst compound and an activator at a temperature in the range of from 30°C to 125°C; and
 - (b) introducing a carrier.
15. The method of claim 14 wherein the supported catalyst composition is dried or substantially dried to a free flowing powder composition.
16. The method of claim 15 wherein the free flowing composition is reslurried in a liquid.
17. The method of claim 16 wherein the liquid is mineral oil.
18. The method of claim 14 wherein the bulky ligand metallocene-type catalyst compound and activator are combined at a temperature of from 50°C to 110°C.
19. The method of claim 14 wherein the bulky ligand metallocene-type catalyst compound and activator are combined at a temperature of from 60°C to 100°C.

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